Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/11/2018 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125285	0	2.12	125309	2.16
Blue	F	SSC	125000	124282	-1	3.74	125069	3.79
Blue	E	FITC	15492	15010	-4	3.77	348	21.54
Blue	D	PE	28736	28155	-3	3.02	619	16.04
Blue	B	PerCP-Cy5-5	41413	41113	-1	4.51	1120	22.08
Blue	A	PE-Cy7	31321	31385	0	6.95	570	46.07
Red	C	APC	41673	40954	-2	2.97	1582	13.27
Red	A	APC-Cy7	29962	29667	-1	3.01	743	13.76
Violet	B	V450	8318	7839	-6	4.46	437	14.14
Violet	A	V500	34199	33492	-3	4.24	807	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20372	4.71	604	-9	N/A	N/A	Pass
Blue	F	SSC	56325	3.23	572	4	N/A	N/A	Pass
Blue	E	FITC	58	72.23	554	-7	0.0164	149	Pass
Blue	D	PE	123	57.16	554	-6	0.1430	317	Pass
Blue	B	PerCP-Cy5-5	211	55.34	661	-6	0.0082	119	Pass
Blue	A	PE-Cy7	111	114.65	716	-6	0.0097	25	Pass
Red	C	APC	363	28.66	601	0	0.0197	161	Pass
Red	A	APC-Cy7	185	31.01	576	0	0.0049	1156	Pass
Violet	B	V450	64	67.63	470	-7	0.0449	2100	Pass
Violet	A	V500	115	34.88	489	-5	0.0198	581	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/11/2018 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.85	-32.50	1.13
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.74	13.60 - 20.40	N/A	N/A	29.65	30.04	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11383

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments